

Suppository Packaging Device

The invention relates to a suppository packaging device comprising a package and a suppository arranged in a chamber of the package, such as, for example, a rectal suppository.

Suppositories are dry; inserting them without a lubricant is difficult. The anus may be irritated. One therefore often uses creams, which are not suitable for this purpose (fragrances etc.) and are not always available.

Based on this, the object of the present invention is to provide an improved suppository package with suppositories that can be inserted more easily.

According to the invention, this object is achieved by providing, in the same package, both the suppositories and the lubricant.

The exemplary embodiments will be described in the following figures:

Fig. 1 is a suppository package in which the suppository (1) and the lubricant (2) are both stored in the same chamber.

Fig. 2 is a suppository package in which the suppository (1) and the lubricant (2) are stored in different chamber of the package.

In a first exemplary embodiment, as shown in Fig. 1, the lubricant can be stored together with the suppository in a chamber inside the package. In Fig 1 the suppository was given the reference sign 1 was given, the lubricant enveloping the suppository was given the

reference sign 2, and the package providing the chamber for both the suppository 1 and the lubricant 2 was given the reference sign 3.

In the second exemplary embodiment, shown in Fig. 2, in which identical components were given the same reference signs as in Fig. 1, the suppository 1 and the lubricant 2 are located in different chambers provided by a package 4. In this fashion, the suppository is not impaired by the lubricant. In this case, the chamber for the lubricant 2 is opened simultaneously with the chamber for the suppository 1.

### Claims

1. Suppository package comprising a package (3, 4) and a suppository (1) arranged in a chamber of the package (3, 4), characterized in that the package, in addition to the suppository, also contains a lubricant (2).
2. Suppository package according to Claim 1, characterized in that both the suppository (1) and the lubricant (2) are arranged in a common chamber of the package (3).
3. Suppository package according to Claim 1, characterized in that the suppository (1) and the lubricant (2) are arranged in different chambers of the package (4).

US SERIAL NO. 10/538,168

INTERNATIONAL APPLICATION NO.: PCT/DE2003/003229

ATTORNEY'S DOCKET NUMBER: TMEY-00101-NUS

**ENGLISH LANGUAGE TRANSLATION OF THE INTERNATIONAL  
APPLICATION AS FILED**

4. Suppository package according to any of Claims 1 to 3, characterized in that the lubricant is a greasy cream or vaseline.
5. Suppository package according to any of Claims 1 to 4, characterized in that the suppository (1) is a rectal suppository.

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**ENGLISH LANGUAGE TRANSLATION OF THE AMENDMENTS TO THE  
CLAIMS UNDER PCT ARTICLE 34**

Modified Claims

[received by the International Office on 27 February 2004; the original Claim 1

replaced by new Claim 1]

+ Statement

1. Suppository package comprising a package (3, 4) and a suppository (1) arranged in a chamber of the package (3, 4), characterized in that the package, in addition to the suppository, also contains a lubricant (2), the suppository being a rectal suppository and the lubricant being a greasy cream or vaseline.

Statement

Statement pursuant to Art. 34 PCT on the transmission of the international research report  
dated 06 August 2002.

In the Annex we submit a new, independent Patent Claim 1. Should the Examination Division continue to consider the object as non-patentable, we request a date for oral hearing to be fixed at short notice, within the priority year.

Since the application is of great economic importance and is also the subject matter of intense license negotiations, we are simultaneously filing a request for accelerated examinations proceedings.

The description will be adapted as soon as there is agreement on the patentability of the patent claims.

The new Claim 1, in addition to the features of the original Claim 1, contains the new features, i.e. that:

- the suppository (1) is a rectal suppository and that the lubricant is a greasy cream or vaseline.

These features were originally disclosed in former Subclaims 4 and 5 and the relevant corresponding passages of the description.

The subject matter of new Claim 1 has been delimited from the features known from Objection (1) US 3.667.465 A.

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CLAIMS UNDER PCT ARTICLE 34**

Another object of the invention is to provide an improved suppository package with improved insertion characteristics of the suppositories.

For the device having the precharacterizing features of valid Claim 1, this object is achieved by a combination of features of the characterizing part of this claim.

The subject matter combination of features of the characterizing part of Claim 1 of the new, independent Claim 1, as shall be shown hereinafter, is novel and inventive with respect to the state of the art cited.

The subject matter of the existing Claim 1 is novel:

The combination of features of the characterizing part of Claim 1, i.e. the fact that, in addition to the suppository, the package also contains a lubricant (2), said suppository (1) being a rectal suppository and the lubricant a greasy cream or vaseline, is unknown from the objections cited (1) to (3). The overall combination of features of the valid Claim 1 has thus not been disclosed in the state of the art cited.

The subject matter of the valid Claim 1 is also inventive:

The combination of features of the characterizing part of the valid Claim 1, in conjunction with its precharacterizing features achieves the purpose indicated above.

Therein the combination of features, i.e. fact that the package, together with the suppository also contains a lubricant (2), the suppository (1) being a suppository and the lubricant being a greasy cream or vaseline, makes it essentially possible to provide a

device by means of which a suppository may be used in a simplified and safe fashion, easily and independent of circumstances.

US 6,375,956 B1 discloses a dispensing device providing special therapeutic help in allowing to dispense, by means of conveniently cut, label-enabled blisters, complex dosages of drugs in a clear and easy fashion, the device being also able to store, in a clear and easy fashion, substances that are to be taken simultaneously, but are storage-incompatible.

US 2,747,574 discloses a device for administering a liquid substance to be inserted rectally that is stored in a hollow cylinder, in which the substance can be moved by a piston that is movably supported inside the hollow cylinder, towards an opening in the frontal surface of said hollow cylinder.

US 3,667,465 discloses a device in which a suppository can be rectally administered by means of telescopable tubes.

A solution similar to that of the invention is thus not to be found in the relevant state of the art, Also, the solution approach on which the invention is based is neither mentioned in the state of the art cited, nor can it be deduced implicitly from same.

The combination of features of the characterizing part of the valid Claim 1 is effective as a whole, the individual features complementing one another to achieve the desired result. This combination of features, as we have already mentioned with respect to novelty, is not disclosed in the state of the art either directly or indirectly. The person skilled in the

art will therefore not be able to arrive at the combination of features of the present Claim 1 by combining the features disclosed in the state of the art.

The device according to the invention, by reason of its combination of features, has thus an important property that is not arrived at in the state of the art. The market therefore demands such devices; competitors attempt to provide them.

Since the above Patent Claim 1, as shown above, is novel and innovative and, therefore, patentable, we request that a patent be granted.

[Signature]

(Bender)

Patent Lawyer

Annex

New claim 1, in triplicate

Fig. 1

Fig. 2